

2016 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

LINE	VARIETY / PEDIGREE	YIELD		TEST WEIGHT		HEADING DATE		PLANT HEIGHT		PROTEIN		Solid
		(BU/AC)	RANK	(LB/BU)	RANK	(JULIAN)	RANK	(IN.)	RANK	(%)	RANK	
CI 10003	THATCHER	46.3	64	59.8	61	174.9	64	<u>36.8</u>	<u>1</u>	14.2	13	7.2
CI 13596	FORTUNA	51.6	62	61.4	31	171.9	34	<u>35.6</u>	<u>2</u>	14.2	13	16.6
PI574642	MCNEAL	57.1	47	60.4	52	172.2	45	31.1	18	14.0	23	8.4
ND 695	REEDER	<u>62.3</u>	6	61.9	19	171.9	35	32.0	7	13.9	30	8.1
PI633974	CHOTEAU	57.4	43	61.1	41	171.4	26	29.8	42	14.0	23	<u>21.9</u>
PI642366	VIDA	<u>62.2</u>	7	60.5	51	172.7	55	31.1	19	13.8	37	11.6
PI660981	DUCLAIR	<u>60.3</u>	17	60.3	54	170.5	12	31.0	21	13.6	44	18.5
PI671855	EGAN	58.5	34	60.4	53	172.2	41	30.8	22	<u>15.4</u>	<u>1</u>	8.4
BZ996434	CORBIN	58.0	38	62.0	12	170.7	15	30.7	23	13.6	44	13.6
BZ92413R	WB GUNNISON	57.6	41	61.5	29	171.5	28	28.9	55	13.2	59	11.4
WB9879CLP	CHOTEAU*3/CHOTEAU/IMI8134	56.3	55	61.0	42	172.2	44	29.5	45	14.0	23	<u>23.1</u>
AGRIPR10	BRENNAN	55.5	57	62.4	7	170.4	10	28.9	52	14.5	4	9.4
AGRIPR12	SY TYRA	57.2	44	61.8	21	172.4	50	28.4	57	13.1	61	18.5
AGRIPR14	SY SOREN	56.5	51	61.8	22	172.3	48	28.3	59	14.3	9	8.7
MT 1173	MT0245/IMI8209-1//MT0245	59.1	28	59.7	63	173.9	63	31.2	15	13.6	44	8.6
MT 1219	MT0643/MTHW0771	58.4	36	61.1	39	171.1	23	28.9	54	13.8	37	19.6
MT 1316	GLENN/MT0747	59.2	24	61.1	40	169.7	4	29.7	43	14.1	18	9.0
MT 1320	MT0415/MT0747	<u>59.7</u>	19	61.9	17	171.0	22	32.2	5	13.8	37	7.2
MT 1348	MT0852/MT0858	<u>59.6</u>	20	61.3	33	170.1	7	29.7	44	13.9	30	15.2
MT 1401	VIDA/MT0827	58.8	31	<u>62.7</u>	4	170.1	6	31.2	16	13.9	30	14.5
MT 1415	VIDA/MT0909	57.6	40	<u>63.0</u>	2	171.8	32	30.5	26	14.6	2	18.3
MT 1426	MT0801/MT0827	<u>61.9</u>	9	60.3	56	<u>168.7</u>	<u>1</u>	31.3	13	13.6	44	15.3
MT 1427	MT0801/MT0832	<u>61.7</u>	10	59.7	62	169.9	5	30.7	24	13.6	44	17.9
MT 1442	MT0827/MT0928	<u>61.5</u>	11	62.3	8	171.7	30	32.1	6	14.0	23	<u>22.4</u>
MT 1447	MT0827/MT0928	56.7	50	61.7	24	170.4	11	31.6	8	14.1	18	<u>24.7</u>
MT 1451	MT0827/09SR27	<u>62.7</u>	5	61.3	34	171.4	27	31.1	20	13.4	51	21.4
MT 1455	MT0832/MT0921	59.2	22	61.2	37	170.7	16	30.0	36	14.1	18	19.9
MT 1506	MT0953//MT0516/06SR149	56.4	52	61.3	35	171.0	20	31.6	9	14.3	9	16.4
MT 1509	MT1002/MT1034	<u>60.0</u>	18	61.0	44	173.6	59	30.0	38	14.0	23	20.4
MT 1510	MT1002//MT0516/06SR149	56.4	54	60.0	60	170.5	13	31.2	17	14.1	18	<u>22.4</u>
MT 1511	MT1002//CHOTEAU/YELLOWSTONE-15	57.1	48	60.3	55	172.2	46	30.2	30	14.2	13	14.7
MT 1512	MT1002//CHOTEAU/YELLOWSTONE-15	59.2	23	61.7	25	171.0	18	31.5	10	13.9	30	18.4
MT 1514	MT1002//CHOTEAU/YELLOWSTONE-26	58.9	29	60.2	59	173.0	58	31.5	12	14.2	13	18.8
MT 1517	MT1007/MT0923 (BULK)	54.8	58	61.2	36	172.2	39	28.4	58	14.1	18	<u>22.8</u>
MT 1518	MT1007/MT1034	<u>61.5</u>	12	61.5	28	171.8	31	30.0	37	13.4	51	20.1
MT 1519	MT1007/MT1034	58.0	37	61.5	30	172.5	53	29.1	51	14.0	23	20.8
MT 1523	MT1007//CHOTEAU/MT0516	58.5	33	61.9	16	171.5	29	30.6	25	13.4	51	<u>23.0</u>

2016 OVERALL AGRONOMIC SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

LINE	VARIETY / PEDIGREE	YIELD		TEST		HEADING		PLANT		PROTEIN		Solid
		(BU/AC)	RANK	WEIGHT (LB/BU)	RANK	DATE (JULIAN)	RANK	HEIGHT (IN.)	RANK	(%)	RANK	
MT 1543	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516 (BULK)	59.2	26	60.6	49	170.6	14	30.2	31	13.9	30	<u>22.7</u>
MT 1525	MT1015/MT1007 (BULK)	59.2	25	<u>63.3</u>	<u>1</u>	172.0	38	29.3	47	13.8	37	20.8
MT 1531	MT1018//CHOTEAU/YELLOWSTONE-26	57.0	49	62.2	10	172.5	52	30.2	32	13.8	37	<u>23.2</u>
MT 1533	MT1034//MT0516/06SR149	53.4	60	60.2	58	172.0	37	30.2	33	14.5	4	18.8
MT 1565	MT0832//Choteau/Mountrail	51.4	63	60.3	57	173.7	61	29.9	40	14.6	2	<u>22.3</u>
MT 1538	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	<u>60.7</u>	14	60.8	47	172.3	47	30.0	35	13.4	51	16.9
MT 1542	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	<u>62.0</u>	8	62.2	11	170.2	8	30.5	27	13.9	30	20.1
MT 1549	09REEDER/CONAN-13//MT0923 (BULK)	53.8	59	61.2	38	172.7	54	29.1	50	14.0	23	16.9
MT 1556	MTHW1071/MTHW1057 (BULK)	51.9	61	61.7	23	172.2	42	31.3	14	14.3	9	<u>22.4</u>
MT 1570	CHOTEAU/MT0516//CAP151-3	<u>64.9</u>	<u>1</u>	61.6	27	169.7	2	28.3	62	13.4	51	<u>21.6</u>
MT 1572	09REEDER/CONAN-13//CAP151-3	56.4	53	61.9	18	171.8	33	28.7	56	13.9	30	15.1
MT 1573	CAP34-1/MT0923	56.2	56	62.0	15	171.0	21	28.3	60	13.8	37	<u>22.8</u>
MT 1574	CAP34-1/MT1034	57.7	39	60.6	48	172.4	51	29.3	46	14.2	13	<u>23.1</u>
WPSP2-MCNEAL1	MTHW0149/McNeal, (BC5F7, +,fam 4)	<u>59.5</u>	21	60.8	46	171.0	19	29.2	49	13.2	59	15.0
WSCIA	ALUM	<u>60.4</u>	16	62.0	13	172.4	49	30.4	28	13.4	51	9.8
AVERAGE		58.4		61.3		171.7		30.3		13.9		
C.V.		9.6		1.3		0.5		5.2		3.8		
PROBABILITY(LINE)		<0.001		<0.001		<0.001		<0.001		<0.001		
LSD(0.05)		5.5		0.8		0.9		1.6		0.5		

1) Underlined : highest or earliest value

2) Double underlined : equal value to highest or earliest value within a column based LSD(0.05)

2016 GRAIN YIELD (BU/AC) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROWN ACROSS MONTANA

LINE	VARIETY / PEDIGREE	KALISPELL	BOZEMAN	HUNTLEY	MOCCASIN	CONRAD	HAVRE	SIDNEY (DRY)	SIDNEY (IRRI)	AVG.
CI 10003	THATCHER	75.6	41.8	54.0	31.4	49.5	32.3	35.0	50.6	46.3
CI 13596	FORTUNA	89.4	47.4	60.1	25.6	61.7	36.4	38.8	53.0	51.6
PI574642	MCNEAL	86.5	49.8	84.2	32.4	54.0	39.2	44.5	66.3	57.1
ND 695	REEDER	<u>96.6</u>	49.3	87.4	<u>35.4</u>	63.3	44.7	<u>50.7</u>	70.7	<u>62.3</u>
PI633974	CHOTEAU	78.0	50.1	88.6	27.6	60.5	36.8	<u>46.2</u>	71.2	57.4
PI642366	VIDA	<u>96.2</u>	<u>61.0</u>	89.0	32.7	<u>73.5</u>	40.5	45.2	59.8	<u>62.2</u>
PI660981	DUCLAIR	90.7	46.5	<u>98.1</u>	31.9	60.0	38.6	45.6	70.8	<u>60.3</u>
PI671855	EGAN	<u>100.8</u>	44.3	80.4	27.3	65.5	46.5	37.4	65.9	58.5
BZ996434	CORBIN	80.8	52.7	87.5	28.6	65.6	45.7	43.2	59.7	58.0
BZ92413R	WB GUNNISON	<u>96.7</u>	49.3	86.8	31.1	<u>66.3</u>	34.0	36.3	60.6	57.6
WB9879CLP	CHOTEAU*3/CHOTEAU/IMI8134	74.4	44.3	86.4	34.4	59.5	43.6	39.7	68.3	56.3
AGRIPR10	BRENNAN	69.4	43.5	84.9	32.9	64.9	38.4	44.4	66.0	55.5
AGRIPR12	SY TYRA	85.6	46.8	81.7	33.3	59.9	32.8	45.8	71.9	57.2
AGRIPR14	SY SOREN	75.3	49.9	83.0	30.1	56.8	42.2	41.6	72.8	56.5
MT 1173	MT0245/IMI8209-1//MT0245	<u>93.5</u>	<u>56.8</u>	85.5	32.6	<u>68.4</u>	35.3	<u>47.2</u>	53.5	59.1
MT 1219	MT0643/MTHW0771	80.5	<u>54.2</u>	<u>93.1</u>	26.0	<u>66.4</u>	41.1	44.5	61.4	58.4
MT 1316	GLENN/MT0747	78.6	<u>53.9</u>	77.9	<u>35.6</u>	<u>66.5</u>	45.6	43.4	71.9	59.2
MT 1320	MT0415/MT0747	87.2	<u>54.8</u>	76.8	<u>36.5</u>	<u>74.2</u>	42.2	45.6	60.2	<u>59.7</u>
MT 1348	MT0852/MT0858	85.8	52.8	75.5	<u>35.8</u>	<u>70.0</u>	44.9	43.1	68.7	<u>59.6</u>
MT 1401	VIDA/MT0827	89.1	49.8	80.9	<u>39.7</u>	57.7	44.4	43.2	65.2	58.8
MT 1415	VIDA/MT0909	75.3	50.5	84.1	<u>37.9</u>	57.6	47.0	44.6	64.0	57.6
MT 1426	MT0801/MT0827	<u>94.9</u>	52.6	90.3	30.7	<u>67.0</u>	45.7	46.0	67.6	<u>61.9</u>
MT 1427	MT0801/MT0832	82.3	<u>56.0</u>	<u>91.1</u>	34.6	64.6	42.7	<u>49.1</u>	73.1	<u>61.7</u>
MT 1442	MT0827/MT0928	84.5	<u>56.6</u>	<u>93.3</u>	33.1	<u>73.8</u>	39.1	44.0	67.6	<u>61.5</u>
MT 1447	MT0827/MT0928	73.9	47.4	83.1	34.1	60.8	41.7	45.1	67.8	56.7
MT 1451	MT0827/09SR27	83.8	<u>56.6</u>	<u>96.9</u>	<u>35.0</u>	<u>76.9</u>	42.7	39.6	70.4	<u>62.7</u>
MT 1455	MT0832/MT0921	69.7	<u>53.7</u>	83.5	<u>38.7</u>	<u>66.2</u>	44.0	45.1	73.0	59.2
MT 1506	MT0953//MT0516/06SR149	72.3	46.5	86.3	33.3	65.1	40.4	39.6	67.8	56.4
MT 1509	MT1002/MT1034	89.3	49.9	84.3	28.2	<u>68.3</u>	41.2	<u>52.9</u>	66.0	<u>60.0</u>
MT 1510	MT1002//MT0516/06SR149	68.3	49.4	87.4	31.2	58.1	41.4	45.8	69.2	56.4
MT 1511	MT1002//CHOTEAU/YELLOWSTONE-15	81.3	42.7	<u>93.0</u>	33.0	54.4	37.6	<u>48.4</u>	66.5	57.1

MT 1512	MT1002//CHOTEAU/YELLOWSTONE-15	82.6	49.4	<u>91.7</u>	32.5	58.6	42.7	42.4	<u>73.7</u>	59.2
MT 1514	MT1002//CHOTEAU/YELLOWSTONE-26	<u>94.1</u>	<u>53.8</u>	<u>91.8</u>	30.3	54.9	36.9	<u>46.3</u>	63.2	58.9
MT 1517	MT1007/MT0923 (BULK)	61.2	51.1	84.1	29.6	57.9	40.9	43.4	70.1	54.8
MT 1518	MT1007/MT1034	78.6	50.5	<u>97.3</u>	<u>34.7</u>	<u>68.8</u>	40.7	<u>46.7</u>	<u>74.5</u>	<u>61.5</u>
MT 1519	MT1007/MT1034	80.4	50.8	<u>94.3</u>	29.9	55.7	35.1	<u>48.5</u>	69.0	58.0
MT 1523	MT1007//CHOTEAU/MT0516	75.7	<u>53.5</u>	<u>92.3</u>	<u>34.7</u>	58.0	34.8	45.9	73.6	58.5
MT 1543	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516 (BULK)	87.6	48.1	86.2	33.6	64.6	40.9	44.5	67.8	59.2
MT 1525	MT1015/MT1007 (BULK)	73.9	49.4	89.5	33.8	59.9	<u>49.9</u>	45.4	71.7	59.2
MT 1531	MT1018//CHOTEAU/YELLOWSTONE-26	77.4	50.2	87.8	<u>36.7</u>	50.9	35.2	<u>46.2</u>	71.7	57.0
MT 1533	MT1034//MT0516/06SR149	66.6	45.2	83.6	27.7	55.6	36.4	42.6	69.7	53.4
MT 1565	MT0832//Choteau/Mountrail	66.7	44.8	79.0	31.8	46.9	36.3	40.8	64.7	51.4
MT 1538	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	89.6	48.1	87.5	<u>35.5</u>	63.6	45.9	<u>47.4</u>	67.9	<u>60.7</u>
MT 1542	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	<u>92.0</u>	47.6	<u>93.1</u>	<u>38.9</u>	57.3	<u>52.5</u>	41.4	73.3	<u>62.0</u>
MT 1549	09REEDER/CONAN-13//MT0923 (BULK)	70.5	46.1	83.1	29.7	54.0	35.8	<u>47.6</u>	63.5	53.8
MT 1556	MTHW1071/MTHW1057 (BULK)	63.6	47.9	80.7	33.6	49.1	31.3	44.9	63.7	51.9
MT 1570	CHOTEAU/MT0516//CAP151-3	90.8	48.2	<u>94.5</u>	30.6	<u>81.4</u>	<u>52.1</u>	<u>46.3</u>	<u>75.6</u>	<u>64.9</u>
MT 1572	09REEDER/CONAN-13//CAP151-3	84.8	46.7	86.2	30.8	56.4	39.9	43.3	62.9	56.4
MT 1573	CAP34-1/MT0923	77.0	46.2	86.5	30.8	<u>69.2</u>	36.4	40.2	63.5	56.2
MT 1574	CAP34-1/MT1034	84.2	45.6	89.7	25.1	57.5	46.5	43.4	69.6	57.7
WPSP2-MCNEAL1	MTHW0149/McNeal, (BC5F7, +,fam 4)	76.8	51.4	<u>91.1</u>	34.0	<u>71.4</u>	45.3	45.4	60.8	<u>59.5</u>
WSCIA	ALUM	79.3	43.0	89.5	<u>41.5</u>	<u>66.9</u>	<u>51.5</u>	<u>47.5</u>	64.4	<u>60.4</u>
AVERAGE		82.5	49.6	86.1	32.8	62.8	41.1	44.5	68.0	58.4
C.V.		11.8	10.0	5.0	13.1	15.0	7.5	9.6	5.7	9.6
PROBABILITY(LINE)		<0.001	<0.001	<.0001	<0.001	<0.01	<0.001	<0.01	<0.001	<0.001
LSD(0.05)		15.8	8.0	7.3	6.9	15.3	4.9	6.9	6.3	5.5

1) Underlined : highest or earliest value

2) Double underlined : equal value to highest or earliest value within a column based LSD(0.05)

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2016 GRAIN TEST WEIGHT (LB/BU) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSE

LINE	VARIETY / PEDIGREE	KALISPELL	BOZEMAN	HUNTLEY	MOCCASIN	CONRAD
CI 10003	THATCHER	60.8	58.3	62.3	58.7	62.4
CI 13596	FORTUNA	61.3	61.5	62.5	61.4	63.3
PI574642	MCNEAL	60.4	59.1	62.0	61.8	62.8
ND 695	REEDER	61.7	60.8	63.3	<u>63.0</u>	63.2
PI633974	CHOTEAU	60.6	60.3	62.6	62.4	62.2
PI642366	VIDA	60.9	60.6	61.7	62.3	62.6
PI660981	DUCLAIR	60.4	57.7	62.1	61.5	60.5
PI671855	EGAN	59.4	59.0	62.1	61.4	63.1
BZ996434	CORBIN	61.9	61.7	63.5	62.7	<u>64.2</u>
BZ92413R	WB GUNNISON	61.1	60.2	62.6	62.6	63.5
WB9879CLP	CHOTEAU*3/CHOTEAU/IMI8134	59.7	60.0	62.7	61.9	62.4
AGRIPR10	BRENNAN	61.4	61.0	63.7	<u>63.3</u>	<u>64.6</u>
AGRIPR12	SY TYRA	<u>62.7</u>	61.6	63.2	<u>64.3</u>	63.0
AGRIPR14	SY SOREN	61.8	60.0	63.2	61.9	63.7
MT 1173	MT0245/IMI8209-1//MT0245	61.0	59.7	61.8	62.4	61.4
MT 1219	MT0643/MTHW0771	60.8	61.4	63.2	<u>62.9</u>	62.8
MT 1316	GLENN/MT0747	60.5	59.6	61.9	62.6	62.5
MT 1320	MT0415/MT0747	61.4	61.7	63.0	<u>63.6</u>	63.6
MT 1348	MT0852/MT0858	61.3	60.8	62.8	60.8	62.3
MT 1401	VIDA/MT0827	61.9	<u>62.6</u>	63.2	62.5	<u>64.2</u>
MT 1415	VIDA/MT0909	<u>62.4</u>	62.3	64.0	<u>63.4</u>	<u>64.4</u>
MT 1426	MT0801/MT0827	60.8	59.0	61.8	60.1	61.6
MT 1427	MT0801/MT0832	59.5	59.1	61.1	61.1	60.5
MT 1442	MT0827/MT0928	60.7	61.9	63.6	62.8	<u>64.5</u>
MT 1447	MT0827/MT0928	60.5	61.0	62.4	<u>64.1</u>	62.3
MT 1451	MT0827/09SR27	60.3	60.9	62.1	<u>62.9</u>	62.7
MT 1455	MT0832/MT0921	60.7	60.4	62.5	61.9	62.5
MT 1506	MT0953//MT0516/06SR149	60.6	60.5	62.9	62.5	63.0
MT 1509	MT1002/MT1034	60.8	60.0	62.8	62.6	62.3
MT 1510	MT1002//MT0516/06SR149	59.2	58.9	61.6	61.4	61.7
MT 1511	MT1002//CHOTEAU/YELLOWSTONE-15	59.9	58.3	62.2	62.4	62.0
MT 1512	MT1002//CHOTEAU/YELLOWSTONE-15	61.5	60.9	62.8	<u>62.9</u>	62.7
MT 1514	MT1002//CHOTEAU/YELLOWSTONE-26	60.7	59.1	62.2	62.1	60.4
MT 1517	MT1007/MT0923 (BULK)	60.4	61.0	62.8	61.6	62.6
MT 1518	MT1007/MT1034	60.5	60.7	63.3	62.7	62.9
MT 1519	MT1007/MT1034	60.2	60.5	63.6	62.6	62.8
MT 1523	MT1007//CHOTEAU/MT0516	61.2	61.9	63.8	<u>63.8</u>	63.0
MT 1543	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516 (BULK)	60.1	59.6	61.6	62.2	62.3
MT 1525	MT1015/MT1007 (BULK)	62.1	62.5	<u>64.7</u>	<u>63.9</u>	<u>64.6</u>
MT 1531	MT1018//CHOTEAU/YELLOWSTONE-26	61.3	61.4	63.9	<u>63.4</u>	63.5
MT 1533	MT1034//MT0516/06SR149	60.1	59.7	61.1	62.4	61.1
MT 1565	MT0832//Choteau/Mountrail	59.2	58.8	62.2	61.5	61.2

MT 1538	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	60.4	60.1	62.3	62.2	61.3
MT 1542	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	61.3	61.7	62.6	<u>63.1</u>	63.3
MT 1549	09REEDER/CONAN-13//MT0923 (BULK)	60.1	61.1	62.7	<u>63.1</u>	63.5
MT 1556	MTHW1071/MTHW1057 (BULK)	59.6	61.9	63.6	61.2	<u>64.2</u>
MT 1570	CHOTEAU/MT0516//CAP151-3	61.8	61.0	62.4	60.2	63.4
MT 1572	09REEDER/CONAN-13//CAP151-3	61.9	61.2	63.7	<u>63.3</u>	63.3
MT 1573	CAP34-1/MT0923	61.0	60.5	63.1	<u>64.5</u>	62.6
MT 1574	CAP34-1/MT1034	60.6	59.2	62.6	61.4	61.6
WPSP2-MCNEAL1	MTHW0149/McNeal, (BC5F7, +,fam 4)	61.0	60.6	62.3	<u>63.0</u>	62.5
WSCIA	ALUM	61.3	60.4	63.6	<u>63.0</u>	<u>65.2</u>
AVERAGE		61.0	60.4	62.7	62.4	62.9
C.V.		0.8	1 REP	0.6	1.4	1.2
PROBABILITY(LINE)		<0.001	1 REP	<.0001	0.001	<0.001
LSD(0.05)		0.7	1 REP	0.6	1.7	1.2

1) Underlined : highest or earliest value

2) Double underlined : equal value to highest or earliest value within a column based LSD(0.05)

ERY GROWN ACROSS MONTANA

HAVRE	SIDNEY (DRY)	SIDNEY (IRRI)	AVG.	RANK
55.6	61.2	58.8	59.8	61
59.0	62.7	59.8	61.4	31
55.7	61.7	60.0	60.4	52
58.2	63.3	61.5	61.9	19
58.1	62.5	59.8	61.1	41
56.5	60.9	58.6	60.5	51
57.5	62.6	60.3	60.3	54
57.0	61.9	59.2	60.4	53
58.6	63.3	60.3	62.0	12
56.8	63.8	61.6	61.5	29
57.7	63.5	60.2	61.0	42
59.8	63.9	61.1	62.4	7
55.8	63.8	60.1	61.8	21
58.5	63.7	61.3	61.8	22
53.8	61.5	56.1	59.7	63
57.1	62.9	58.0	61.1	39
58.1	63.5	60.3	61.1	40
58.2	62.7	61.2	61.9	17
58.7	63.6	60.4	61.3	33
<u>60.8</u>	<u>65.0</u>	61.5	<u>62.7</u>	4
<u>59.9</u>	<u>64.8</u>	<u>63.1</u>	<u>63.0</u>	2
57.4	61.6	60.1	60.3	56
56.5	61.0	59.0	59.7	62
59.6	63.9	61.4	62.3	8
<u>60.1</u>	62.8	60.6	61.7	24
58.0	63.1	60.1	61.3	34
58.6	62.7	60.4	61.2	37
57.4	62.6	60.7	61.3	35
56.8	63.0	59.6	61.0	44
55.9	61.8	59.7	60.0	60
57.1	61.9	58.6	60.3	55
59.2	62.8	60.9	61.7	25
55.8	62.0	59.2	60.2	59
57.4	63.6	60.6	61.2	36
58.3	63.4	60.4	61.5	28
57.9	63.9	60.3	61.5	30
57.2	63.8	61.0	61.9	16
58.8	61.4	59.1	60.6	49
<u>59.9</u>	<u>65.4</u>	<u>62.9</u>	<u>63.3</u>	<u>1</u>
58.6	64.3	61.5	62.2	10
56.2	61.7	59.6	60.2	58
56.7	62.7	60.1	60.3	57

57.9	62.8	59.5	60.8	47
<u>60.4</u>	63.5	61.5	62.2	11
56.3	63.1	59.6	61.2	38
58.2	63.2	62.1	61.7	23
59.7	63.3	60.7	61.6	27
58.5	63.4	59.8	61.9	18
59.5	63.5	61.0	62.0	15
58.8	61.8	59.2	60.6	48
58.1	61.8	57.4	60.8	46
59.2	64.1	59.2	62.0	13
57.9	63.0	60.4	61.3	
1.1	0.9	0.9	1.3	
<0.001	<0.001	<0.001	<0.001	
1.0	0.9	0.9	0.8	

2016 HEADING DATE (175=JUNE 24) SUMMARY FOR THE ADVANCED SPRING WHEAT NURS

LINE	VARIETY / PEDIGREE	KALISPELL	BOZEMAN	HUNTLEY	MOCCASIN	CONRAD
CI 10003	THATCHER	176.3	180.3	162.0	177.3	176.3
CI 13596	FORTUNA	<u>170.3</u>	178.0	158.7	176.0	174.3
PI574642	MCNEAL	<u>170.3</u>	178.7	159.7	176.3	175.0
ND 695	REEDER	172.0	178.7	158.3	175.7	173.7
PI633974	CHOTEAU	172.7	177.0	159.3	175.7	172.3
PI642366	VIDA	174.3	178.0	159.0	176.7	175.0
PI660981	DUCLAIR	171.7	175.0	157.7	<u>174.7</u>	<u>169.7</u>
PI671855	EGAN	173.0	178.7	160.0	176.3	172.0
BZ996434	CORBIN	171.3	176.0	<u>157.0</u>	175.7	171.7
BZ92413R	WB GUNNISON	172.7	176.7	158.7	<u>175.3</u>	171.7
WB9879CLP	CHOTEAU*3/CHOTEAU/IMI8134	172.7	177.7	159.0	176.7	174.3
AGRIPR10	BRENNAN	<u>170.0</u>	176.0	157.7	<u>174.7</u>	172.0
AGRIPR12	SY TYRA	174.0	178.0	159.7	175.7	175.3
AGRIPR14	SY SOREN	173.0	177.7	160.0	177.0	174.7
MT 1173	MT0245/IMI8209-1//MT0245	176.3	179.0	160.7	177.3	174.7
MT 1219	MT0643/MTHW0771	173.0	176.0	159.0	<u>174.3</u>	171.3
MT 1316	GLENN/MT0747	<u>169.0</u>	<u>174.3</u>	<u>156.3</u>	<u>174.7</u>	<u>169.3</u>
MT 1320	MT0415/MT0747	<u>169.7</u>	176.3	158.7	175.7	172.7
MT 1348	MT0852/MT0858	<u>170.3</u>	175.3	157.7	<u>175.0</u>	170.0
MT 1401	VIDA/MT0827	<u>170.0</u>	<u>174.7</u>	<u>157.0</u>	176.3	<u>169.3</u>
MT 1415	VIDA/MT0909	172.0	177.3	159.3	175.7	172.7
MT 1426	MT0801/MT0827	<u>168.0</u>	<u>173.7</u>	<u>156.3</u>	<u>173.7</u>	<u>167.3</u>
MT 1427	MT0801/MT0832	<u>169.7</u>	175.7	<u>157.0</u>	<u>175.0</u>	<u>169.3</u>
MT 1442	MT0827/MT0928	172.7	177.0	159.7	175.7	173.0
MT 1447	MT0827/MT0928	<u>170.0</u>	175.7	157.7	<u>175.0</u>	171.0
MT 1451	MT0827/09SR27	171.3	178.0	158.3	175.7	172.3
MT 1455	MT0832/MT0921	172.0	175.7	158.7	176.0	170.0
MT 1506	MT0953//MT0516/06SR149	172.0	176.7	<u>157.3</u>	176.3	170.7
MT 1509	MT1002/MT1034	173.3	179.0	160.0	177.0	176.7
MT 1510	MT1002//MT0516/06SR149	<u>169.7</u>	176.0	157.7	176.7	170.7
MT 1511	MT1002//CHOTEAU/YELLOWSTONE-15	172.7	177.7	159.3	<u>175.0</u>	175.7
MT 1512	MT1002//CHOTEAU/YELLOWSTONE-15	171.0	176.0	<u>157.0</u>	175.7	172.7
MT 1514	MT1002//CHOTEAU/YELLOWSTONE-26	172.3	179.0	159.7	176.7	176.3
MT 1517	MT1007/MT0923 (BULK)	173.3	178.0	159.3	177.0	172.7
MT 1518	MT1007/MT1034	171.3	177.3	159.3	177.0	174.3
MT 1519	MT1007/MT1034	174.3	177.7	159.3	176.7	174.7
MT 1523	MT1007//CHOTEAU/MT0516	172.3	177.3	158.3	177.0	171.7
MT 1543	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516 (BULK)	<u>170.3</u>	175.3	<u>157.3</u>	175.7	172.3
MT 1525	MT1015/MT1007 (BULK)	172.7	177.0	160.0	176.7	174.0
MT 1531	MT1018//CHOTEAU/YELLOWSTONE-26	173.7	177.7	159.7	176.0	174.7
MT 1533	MT1034//MT0516/06SR149	172.7	177.7	158.7	175.7	173.7
MT 1565	MT0832//Choteau/Mountrail	176.0	179.0	159.7	177.3	175.7

MT 1538	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	173.3	178.0	160.0	176.0	173.7
MT 1542	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	<u>170.0</u>	175.0	<u>157.3</u>	<u>174.7</u>	171.0
MT 1549	09REEDER/CONAN-13//MT0923 (BULK)	175.0	178.3	160.3	177.0	174.3
MT 1556	MTHW1071/MTHW1057 (BULK)	173.7	177.7	161.0	<u>175.3</u>	172.0
MT 1570	CHOTEAU/MT0516//CAP151-3	<u>170.0</u>	<u>174.3</u>	<u>157.0</u>	<u>175.0</u>	<u>168.7</u>
MT 1572	09REEDER/CONAN-13//CAP151-3	173.0	178.0	158.7	<u>174.7</u>	173.7
MT 1573	CAP34-1/MT0923	171.0	177.0	159.0	<u>175.0</u>	171.3
MT 1574	CAP34-1/MT1034	172.7	178.3	159.3	176.3	173.3
WPSP2-MCNEAL1	MTHW0149/McNeal, (BC5F7, +,fam 4)	171.7	176.3	158.7	<u>175.0</u>	171.0
WSCIA	ALUM	174.3	178.0	159.0	176.7	174.7
AVERAGE		172.3	177.1	158.9	175.9	172.9
C.V.		0.9	0.4	0.5	0.7	0.9
PROBABILITY(LINE)		<0.001	<0.001	<.0001	<0.01	<0.001
LSD(0.05)		2.6	1.2	1.2	1.9	2.5

1) Underlined : highest or earliest value

2) Double underlined : equal value to highest or earliest value within a column based LSD(0.05)

ERY GROWN ACROSS MONTANA

HAVRE	SIDNEY (DRY)	SIDNEY (IRRI)	AVG.	RANK
183.3	172.0	171.7	174.9	64
181.3	<u>165.7</u>	170.7	171.9	34
181.7	<u>165.3</u>	170.7	172.2	45
181.7	166.0	<u>169.3</u>	171.9	35
180.3	<u>165.0</u>	<u>169.0</u>	171.4	26
182.3	<u>165.3</u>	170.7	172.7	55
181.0	<u>165.0</u>	<u>169.0</u>	170.5	12
181.3	<u>165.7</u>	170.7	172.2	41
179.7	<u>165.0</u>	<u>169.3</u>	170.7	15
181.3	<u>165.3</u>	170.0	171.5	28
181.7	<u>165.3</u>	170.3	172.2	44
179.0	<u>165.0</u>	<u>169.0</u>	170.4	10
181.3	<u>165.0</u>	170.0	172.4	50
181.3	<u>165.3</u>	<u>169.7</u>	172.3	48
182.3	167.7	173.0	173.9	63
180.3	<u>165.3</u>	<u>169.7</u>	171.1	23
180.3	<u>165.0</u>	<u>169.0</u>	169.7	4
181.3	<u>165.0</u>	<u>169.0</u>	171.0	22
<u>178.3</u>	<u>165.0</u>	<u>169.0</u>	170.1	7
179.0	<u>165.3</u>	<u>169.0</u>	170.1	6
181.0	167.0	<u>169.7</u>	171.8	32
<u>177.3</u>	<u>165.0</u>	<u>168.7</u>	<u>168.7</u>	<u>1</u>
178.7	<u>165.0</u>	<u>169.0</u>	169.9	5
181.0	<u>165.0</u>	<u>169.3</u>	171.7	30
180.0	<u>165.0</u>	<u>169.0</u>	170.4	11
180.7	<u>165.3</u>	<u>169.7</u>	171.4	27
179.3	<u>165.0</u>	<u>169.0</u>	170.7	16
180.7	<u>165.0</u>	<u>169.3</u>	171.0	20
183.7	168.7	170.7	173.6	59
179.0	<u>165.3</u>	<u>169.0</u>	170.5	13
182.0	<u>165.7</u>	170.0	172.2	46
181.0	<u>165.3</u>	<u>169.0</u>	171.0	18
182.7	166.0	171.0	173.0	58
181.0	166.0	170.0	172.2	39
180.7	<u>165.0</u>	<u>169.3</u>	171.8	31
182.0	<u>165.0</u>	170.3	172.5	53
181.0	<u>165.0</u>	<u>169.3</u>	171.5	29
180.0	<u>165.0</u>	<u>169.0</u>	170.6	14
181.0	<u>165.7</u>	<u>169.3</u>	172.0	38
182.3	<u>165.3</u>	170.3	172.5	52
181.7	<u>165.0</u>	170.7	172.0	37
182.3	167.0	172.3	173.7	61

181.7	<u>165.3</u>	170.3	172.3	47
179.0	<u>165.0</u>	<u>169.3</u>	170.2	8
181.3	<u>165.3</u>	<u>169.7</u>	172.7	54
182.0	166.0	170.0	172.2	42
<u>178.3</u>	<u>165.0</u>	<u>169.0</u>	169.7	2
181.0	<u>165.3</u>	170.3	171.8	33
181.0	<u>165.0</u>	<u>169.0</u>	171.0	21
181.3	166.7	171.3	172.4	51
180.3	<u>165.3</u>	<u>169.3</u>	171.0	19
181.7	<u>165.3</u>	<u>169.3</u>	172.4	49
180.8	165.5	169.8	171.7	
0.5	0.4	0.4	0.5	
<0.001	<0.001	<0.001	<0.001	
1.4	1.0	1.2	0.9	

2016 PLANT HEIGHT (INCHES) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY C

LINE	VARIETY / PEDIGREE	KALISPELL	BOZEMAN	HUNTLEY	MOCCASIN	CONRAD
CI 10003	THATCHER	43.4	<u>35.4</u>	<u>47.4</u>	<u>29.4</u>	29.7
CI 13596	FORTUNA	<u>46.5</u>	32.8	<u>46.4</u>	24.7	31.3
PI574642	MCNEAL	35.2	28.1	37.0	24.9	29.0
ND 695	REEDER	36.9	27.7	38.6	25.1	29.0
PI633974	CHOTEAU	34.8	27.2	34.9	23.2	28.3
PI642366	VIDA	33.9	28.5	37.1	24.6	31.3
PI660981	DUCLAIR	35.3	27.7	37.7	25.4	29.3
PI671855	EGAN	37.3	25.9	36.2	23.1	29.7
BZ996434	CORBIN	36.1	28.3	36.4	24.0	29.0
BZ92413R	WB GUNNISON	36.1	25.1	32.6	22.4	30.0
WB9879CLP	CHOTEAU*3/CHOTEAU/IMI8134	33.2	24.6	36.1	22.9	28.7
AGRIPR10	BRENNAN	31.2	25.9	33.2	24.9	27.3
AGRIPR12	SY TYRA	31.9	23.6	31.8	23.5	27.0
AGRIPR14	SY SOREN	31.5	24.8	33.0	22.8	29.0
MT 1173	MT0245/IMI8209-1//MT0245	36.5	27.9	38.1	25.4	29.7
MT 1219	MT0643/MTHW0771	31.9	26.0	34.6	22.3	28.7
MT 1316	GLENN/MT0747	32.7	27.4	34.8	23.9	28.3
MT 1320	MT0415/MT0747	37.3	29.7	41.2	25.4	28.7
MT 1348	MT0852/MT0858	34.8	29.1	23.2	26.0	30.3
MT 1401	VIDA/MT0827	35.8	28.4	38.6	24.0	29.7
MT 1415	VIDA/MT0909	33.5	26.9	36.4	26.1	26.7
MT 1426	MT0801/MT0827	35.4	30.0	38.8	23.7	30.3
MT 1427	MT0801/MT0832	33.3	29.2	36.9	25.9	30.0
MT 1442	MT0827/MT0928	34.5	29.8	41.3	26.3	30.0
MT 1447	MT0827/MT0928	34.5	29.6	38.9	25.1	29.0
MT 1451	MT0827/09SR27	34.5	29.2	38.0	25.3	28.3
MT 1455	MT0832/MT0921	32.6	27.5	36.2	25.5	28.0
MT 1506	MT0953//MT0516/06SR149	34.9	28.4	38.7	25.3	29.7
MT 1509	MT1002/MT1034	35.0	26.1	36.1	20.8	29.3
MT 1510	MT1002//MT0516/06SR149	33.0	29.3	39.2	24.1	26.3
MT 1511	MT1002//CHOTEAU/YELLOWSTONE-15	34.6	25.5	37.9	24.7	27.0
MT 1512	MT1002//CHOTEAU/YELLOWSTONE-15	35.0	28.5	38.0	25.2	30.0
MT 1514	MT1002//CHOTEAU/YELLOWSTONE-26	37.4	27.5	39.8	24.1	29.0
MT 1517	MT1007/MT0923 (BULK)	29.3	25.0	33.4	21.5	29.3
MT 1518	MT1007/MT1034	34.5	25.5	35.4	23.8	30.0
MT 1519	MT1007/MT1034	31.6	26.2	34.4	21.3	28.3
MT 1523	MT1007//CHOTEAU/MT0516	33.6	28.3	37.2	23.7	31.0
MT 1543	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516 (BULK)	34.0	27.0	36.2	23.7	29.7
MT 1525	MT1015/MT1007 (BULK)	32.3	25.6	34.4	23.1	29.7
MT 1531	MT1018//CHOTEAU/YELLOWSTONE-26	32.4	26.1	36.9	23.4	31.3
MT 1533	MT1034//MT0516/06SR149	33.2	25.5	38.4	23.5	28.0
MT 1565	MT0832//Choteau/Mountrail	33.6	26.3	37.4	23.2	28.0

MT 1538	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	34.5	26.2	35.0	24.9	29.0
MT 1542	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	35.0	28.0	37.5	24.6	27.3
MT 1549	09REEDER/CONAN-13//MT0923 (BULK)	32.2	24.9	33.1	23.3	29.7
MT 1556	MTHW1071/MTHW1057 (BULK)	33.1	28.1	37.2	26.0	27.7
MT 1570	CHOTEAU/MT0516//CAP151-3	31.0	24.8	34.7	21.7	27.3
MT 1572	09REEDER/CONAN-13//CAP151-3	32.4	24.9	33.9	23.1	28.3
MT 1573	CAP34-1/MT0923	29.9	26.1	33.3	21.4	29.0
MT 1574	CAP34-1/MT1034	32.7	24.3	35.9	21.6	28.3
WPSP2-MCNEAL1	MTHW0149/McNeal, (BC5F7, +,fam 4)	32.0	27.0	32.9	24.1	28.0
WSCIA	ALUM	34.9	25.8	35.3	25.9	28.3
	AVERAGE	34.1	27.1	36.2	24.2	29.0
	C.V.	4.6	5.2	7.6	6.5	7.7
	PROBABILITY(LINE)	<0.001	<0.001	<.0001	<0.001	NA
	LSD(0.05)	2.5	2.3	4.5	2.5	-

1) Underlined : highest or earliest value

2) Double underlined : equal value to highest or earliest value within a column based LSD(0.05)

BROWN ACROSS MONTANA

HAVRE	SIDNEY (DRY)	SIDNEY (IRRI)	AVG.	RANK
<u>33.5</u>	<u>35.9</u>	<u>39.8</u>	<u>36.8</u>	<u>1</u>
<u>32.0</u>	<u>36.5</u>	34.8	<u>35.6</u>	<u>2</u>
28.1	28.4	<u>38.3</u>	31.1	18
29.2	32.1	37.4	32.0	7
25.8	28.8	35.4	29.8	42
28.0	28.5	36.9	31.1	19
26.4	29.4	36.5	31.0	21
26.9	30.0	36.9	30.8	22
29.3	26.5	36.1	30.7	23
24.6	28.2	31.9	28.9	55
28.3	25.3	36.9	29.5	45
27.2	28.9	32.8	28.9	52
26.4	28.5	34.4	28.4	57
26.8	26.0	32.9	28.3	59
27.1	28.5	36.7	31.2	15
26.6	26.4	34.5	28.9	54
27.9	28.6	34.1	29.7	43
28.4	29.9	37.0	32.2	5
28.1	30.5	35.7	29.7	44
28.2	28.6	36.6	31.2	16
28.8	29.3	36.7	30.5	26
28.6	29.8	33.7	31.3	13
27.3	27.8	34.8	30.7	24
29.3	29.5	36.1	32.1	6
29.5	29.9	36.5	31.6	8
28.5	28.6	35.9	31.1	20
28.0	26.5	36.1	30.0	36
28.4	31.2	35.9	31.6	9
25.3	30.2	36.9	30.0	38
29.9	30.8	36.9	31.2	17
27.3	28.4	36.6	30.2	30
28.9	29.9	36.7	31.5	10
26.5	29.4	<u>38.1</u>	31.5	12
26.0	27.4	35.0	28.4	58
26.4	27.4	37.0	30.0	37
26.6	28.7	35.6	29.1	51
25.9	27.3	37.4	30.6	25
26.4	29.2	35.7	30.2	31
27.5	27.3	34.9	29.3	47
25.8	28.8	36.6	30.2	32
27.9	27.5	37.3	30.2	33
24.6	28.3	<u>37.9</u>	29.9	40

26.1	28.4	36.3	30.0	35
28.6	27.3	35.8	30.5	27
26.0	27.9	35.7	29.1	50
30.6	31.6	35.9	31.3	14
27.2	26.1	33.5	28.3	62
24.6	28.5	34.3	28.7	56
25.8	26.7	34.3	28.3	60
26.4	29.0	36.5	29.3	46
26.1	28.3	35.1	29.2	49
28.9	29.4	35.0	30.4	28
27.6	28.8	35.7	30.3	
6.2	7.0	3.5	5.2	
<0.001	<0.001	<0.001	<0.001	
2.8	3.3	2.0	1.6	

2016 GRAIN PROTEIN (%) SUMMARY FOR THE ADVANCED SPRING WHEAT NURSERY GROW

LINE	VARIETY / PEDIGREE	KALISPELL	BOZEMAN	HUNTLEY	MOCCASIN	CONRAD
CI 10003	THATCHER	15.0	14.6	<u>13.8</u>	12.7	13.0
CI 13596	FORTUNA	<u>15.6</u>	14.5	<u>14.0</u>	12.4	13.2
PI574642	MCNEAL	<u>15.9</u>	14.9	12.6	12.3	13.0
ND 695	REEDER	15.2	15.0	12.4	12.0	13.7
PI633974	CHOTEAU	15.1	15.3	12.2	13.3	13.4
PI642366	VIDA	15.1	14.3	11.6	12.0	13.3
PI660981	DUCLAIR	14.9	15.0	12.0	11.8	13.6
PI671855	EGAN	<u>15.8</u>	<u>16.3</u>	<u>14.3</u>	14.6	14.6
BZ996434	CORBIN	15.3	14.3	11.3	13.3	13.1
BZ92413R	WB GUNNISON	13.9	14.1	12.6	12.0	12.4
WB9879CLP	CHOTEAU*3/CHOTEAU/IMI8134	15.3	15.3	12.1	13.5	13.9
AGRIPR10	BRENNAN	14.9	15.8	13.0	12.5	14.6
AGRIPR12	SY TYRA	14.1	13.8	10.9	11.2	13.2
AGRIPR14	SY SOREN	<u>15.8</u>	15.3	12.8	13.1	14.2
MT 1173	MT0245/IMI8209-1//MT0245	14.6	14.1	11.4	12.9	12.4
MT 1219	MT0643/MTHW0771	15.0	14.7	11.8	13.0	13.3
MT 1316	GLENN/MT0747	15.2	15.0	13.1	11.5	14.1
MT 1320	MT0415/MT0747	14.4	14.6	12.5	12.1	13.3
MT 1348	MT0852/MT0858	14.0	14.9	11.5	12.8	14.0
MT 1401	VIDA/MT0827	15.0	15.0	12.8	12.5	14.1
MT 1415	VIDA/MT0909	15.3	15.4	13.1	13.7	14.4
MT 1426	MT0801/MT0827	14.6	14.6	11.9	11.9	13.6
MT 1427	MT0801/MT0832	14.5	14.6	11.7	12.0	13.8
MT 1442	MT0827/MT0928	15.2	15.1	12.1	12.6	13.3
MT 1447	MT0827/MT0928	15.0	15.2	12.0	12.4	14.1
MT 1451	MT0827/09SR27	14.5	14.8	11.7	11.9	12.7
MT 1455	MT0832/MT0921	15.0	14.7	11.5	13.2	13.9
MT 1506	MT0953//MT0516/06SR149	<u>15.6</u>	15.1	12.1	12.8	14.4
MT 1509	MT1002/MT1034	14.8	15.0	11.5	13.1	14.2
MT 1510	MT1002//MT0516/06SR149	15.0	15.0	12.3	12.8	14.0
MT 1511	MT1002//CHOTEAU/YELLOWSTONE-15	14.9	15.7	12.0	13.0	14.2
MT 1512	MT1002//CHOTEAU/YELLOWSTONE-15	14.5	15.2	11.9	13.4	14.0
MT 1514	MT1002//CHOTEAU/YELLOWSTONE-26	15.4	15.2	12.3	12.7	13.8
MT 1517	MT1007/MT0923 (BULK)	15.2	15.3	11.7	13.8	13.7
MT 1518	MT1007/MT1034	15.1	14.3	11.4	12.9	12.5
MT 1519	MT1007/MT1034	15.1	15.4	11.9	13.7	13.7
MT 1523	MT1007//CHOTEAU/MT0516	14.9	14.2	11.8	12.3	13.3
MT 1543	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516 (BULK)	14.6	15.2	12.3	12.6	13.7
MT 1525	MT1015/MT1007 (BULK)	14.5	15.2	11.9	12.8	13.0
MT 1531	MT1018//CHOTEAU/YELLOWSTONE-26	15.3	14.8	12.1	13.3	13.1
MT 1533	MT1034//MT0516/06SR149	<u>15.6</u>	15.8	12.2	14.0	<u>14.8</u>
MT 1565	MT0832//Choteau/Mountrail	<u>15.9</u>	16.2	12.2	14.0	13.6

MT 1538	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	13.7	14.4	11.4	12.8	13.2
MT 1542	CHOTEAU/YELLOWSTONE-26// CHOTEAU/MT0516	14.8	14.8	12.7	12.8	14.0
MT 1549	09REEDER/CONAN-13//MT0923 (BULK)	<u>15.7</u>	15.2	12.3	12.9	12.7
MT 1556	MTHW1071/MTHW1057 (BULK)	14.9	15.2	13.1	13.3	13.6
MT 1570	CHOTEAU/MT0516//CAP151-3	13.1	14.5	11.9	13.0	13.2
MT 1572	09REEDER/CONAN-13//CAP151-3	14.9	15.5	11.3	12.6	14.2
MT 1573	CAP34-1/MT0923	14.3	15.0	11.1	12.7	13.3
MT 1574	CAP34-1/MT1034	14.2	15.9	11.6	<u>15.0</u>	14.6
WPSP2-MCNEAL1	MTHW0149/McNeal, (BC5F7, +,fam 4)	13.9	13.7	11.0	12.2	12.7
WSCIA	ALUM	13.6	14.8	11.4	12.1	13.1
AVERAGE		14.8	14.9	12.1	12.7	13.5
C.V.		3.5	1 REP	3.8	1 REP	1 REP
PROBABILITY(LINE)		<0.001	1 REP	<.0001	1 REP	1 REP
LSD(0.05)		0.8	1 REP	0.7	1 REP	1 REP

1) Underlined : highest or earliest value

2) Double underlined : equal value to highest or earliest value within a column based LSD(0.05)

N ACROSS MONTANA

HAVRE	SIDNEY (DRY)	SIDNEY (IRRI)	AVG.	RANK
16.0	13.3	15.0	14.2	13
15.9	13.4	14.7	14.2	13
15.4	13.5	14.4	14.0	23
15.1	12.8	15.3	13.9	30
15.7	12.4	14.7	14.0	23
15.6	<u>13.6</u>	15.2	13.8	37
15.4	12.0	14.3	13.6	44
<u>17.4</u>	<u>13.8</u>	<u>16.1</u>	<u>15.4</u>	1
15.0	12.1	14.6	13.6	44
15.0	12.0	13.8	13.2	59
15.8	11.9	14.5	14.0	23
16.3	<u>13.6</u>	15.1	14.5	4
16.3	11.9	13.3	13.1	61
15.9	12.7	14.6	14.3	9
15.5	12.6	15.2	13.6	44
15.7	11.9	15.3	13.8	37
16.0	11.8	<u>16.0</u>	14.1	18
14.8	<u>14.0</u>	14.9	13.8	37
15.3	13.0	15.4	13.9	30
15.4	11.3	15.2	13.9	30
15.2	<u>14.0</u>	15.3	14.6	2
14.8	12.3	15.4	13.6	44
15.0	12.2	15.2	13.6	44
15.4	13.5	15.0	14.0	23
15.7	13.4	14.8	14.1	18
15.0	12.0	14.9	13.4	51
16.0	13.4	15.3	14.1	18
16.0	13.1	15.2	14.3	9
15.9	12.8	14.4	14.0	23
15.2	13.2	15.5	14.1	18
16.3	12.5	15.1	14.2	13
15.0	12.8	14.7	13.9	30
16.3	12.6	15.0	14.2	13
15.6	12.7	15.0	14.1	18
15.1	11.9	14.0	13.4	51
15.7	12.1	14.5	14.0	23
14.6	11.3	14.4	13.4	51
15.4	13.1	14.6	13.9	30
15.2	12.6	14.9	13.8	37
15.1	12.8	13.9	13.8	37
16.1	12.7	14.8	14.5	4
15.8	<u>14.8</u>	14.6	14.6	2

15.5	12.0	14.3	13.4	51
15.3	12.1	14.7	13.9	30
15.5	12.4	15.2	14.0	23
16.0	<u>13.8</u>	14.3	14.3	9
14.1	12.1	15.0	13.4	51
14.8	12.7	15.5	13.9	30
15.7	13.0	15.3	13.8	37
15.0	12.8	14.2	14.2	13
15.2	12.2	14.9	13.2	59
15.7	12.2	14.7	13.4	51
15.5	12.6	14.7	13.9	
2.6	6.4	2.0	3.8	
<0.001	<0.001	<0.001	<0.001	
0.6	1.3	0.5	0.5	